



PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 3

Complete if Known

Application Number	10/656,369
Filing Date	08 September 2003
First Named Inventor	Vitalii Silin
Art Unit	1641
Examiner Name	Nelson Yang
Attorney Docket Number	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
M	1	US- 4,071,409	Jan., 1978	Messing et al.	195/63
	2	US- 4,562,157	Dec., 1985	Lowe et al.	435/291
	3	US- 4,690,715	Sep., 1987	Allara et al.	148/6
	4	US- 4,908,112	Mar., 1990	Pace	204/299
	5	US- 4,973,493	Nov., 1990	Guire	427/2
	6	US- 4,987,032	Jan., 1991	Miyasaka et al.	
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	7	US- 5,096,807	Mar., 1992	Leaback	435/6
	8	US- 5,143,854	Sep., 1992	Pirrung et al.	438/518
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	11	US- 5,242,828	Sep., 1993	Bergstrom et al.	435/291
	12	US- 5,252,743	Oct., 1993	Barrett et al	548/303
	13	US- 5,294,369	Mar., 1994	Shigekawa et al.	252/313.
	14	US- 5,304,487	Apr., 1994	Wilding et al.	428/420.
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	16	US- 5,384,261	Jan., 1995	Winkler et al.	436/518
	17	US- 5,405,766	Apr., 1995	Kallury et al.	
	18	US- 5,405,783	Apr., 1995	Pirrung et al.	436/518

FOREIGN PATENT DOCUMENTS						
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M I I I I M	1	WO9850773	Nov., 1994	WO.		
	2	WO9535505	Dec., 1995	WO.		
	3	WO 96/02830	Feb., 1996	WO.		
	4	WO 96/10178	Apr., 1996	WO.		
	5	WO 96/26432	Aug., 1996	WO.		
	6	WO 96/29629	Sep., 1996	WO.		

Examiner
SignatureDate
Considered

8/9/04

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
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Sheet 2 of 3**Complete if Known**

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Examiner Name	Nelson Yangf
Attorney Docket Number	

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M	19	US- 5,412,087	May., 1995	McGall et al.	536/24.
	20	US- 5,429,708	Jul., 1995	Linford et al.	216/66
	21	US- 5,445,934	Aug., 1995	Fodor et al.	435/6
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	24	US- 5,512,131	Apr., 1996	Kumar et al.	156/655
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	36	US- 5,635,358	Jun., 1997	Wilding et al.	435/7
	37	US- 5,637,469	Jun., 1997	Wilding et al.	435/7

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	7	WO 96/38726	Dec., 1996	WO.		
	8	WO 96/39937	Dec., 1996	WO.		
	9	WO 97/07429	Feb., 1997	WO.		
	10	WO 97/36681	Oct., 1997	WO.		
	12	WO 97/41424	Nov., 1997	WO.		
	13	WO 97/41425	Nov., 1997	WO.		

Examiner Signature	<i>Nelson Yangf</i>	Date Considered	8/2/04
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<i>M</i>	38	US- 5,677,195	Oct., 1997	Winkler et al.	436/518
	39	US- 5,677,196	Oct., 1997	Herron et al.	436/518.
	40	US- 5,681,484	Oct., 1997	Zanzucchi et al.	216/2.
	41	US- 5,688,642	Nov., 1997	Chrissey et al.	435/6
	42	US- 5,700,642	Dec., 1997	Monforte et al.	435/6
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	45	US- 5,731,152	Mar., 1998	Maracas et al.	3/98
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	55	US- 6,406,921	Jun. 2002	Wagner et al.	
<i>AM</i>		US-			

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
M	14	WO9823948	Jun., 1998	WO.		
M		WO9839481	Sep., 1998	WO.		

Examiner Signature	<i>Nelson Yang</i>	Date Considered	8/9/04
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		Art Unit	1641
		Examiner Name	Nelson Yang
Sheet 1	of 7	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
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My		SIGAL et al. (1996). A self-assembled monolayer for the binding and study of histidine-tagged proteins by surface plasmon resonance. Anal. Chem. 68:490-497.*	
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		KRICKA (1998). Miniaturization of analytical systems. Clin. Chem. 44(9):2008-2014.* Ekins (1998). Ligand assays: from electrophoresis to miniaturized microarrays. Clin. Chem.	
My		SILZEL et al. (1998). Mass-sensing, multianalyte microarray immunoassay with imaging detection. Clin. Chem. 44(9):2036-2043.*	

Examiner Signature		Date Considered	6/9/07
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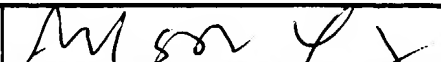
1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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M		NIEMEYER et al. (1994). Oligonucleotide-directed self-assembly of proteins: semisynthetic DNA-streptavidin hybrid molecules as connectors for the generation of macroscopic arrays.	
		NIEMEYER et al. (1999). DNA-directed immobilization: efficient, reversible, and site-selective surface binding of proteins by means of covalent DNA-streptavidin conjugates. An	
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M		STEINNICKE et al. "Biochemical characteristics of caspases-3, -6, -7, and -8" J. Biol. Chem. 272: 25719-25723 (1997).	

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M		TALANAIN et al. "Substrate specialities of capsases family proteases" J. Biol. Chem. 272: 9677-9682 (1997).	
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		BECKER et al., "Fabrication of microstructures with high aspect ratios and great structural heights by synchrotron radiation lithography, galvanofforming, and plastic moulding	
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M		CLOAD et al., "Development of improved tRNAs for in vitro biosynthesis of proteins containing unnatural amino acids," Chemistry & Biology 3:1033-1038 (1996).	

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M		CONDRA et al., "In vivo emergence of HIV-1 variants resistant to multiple protease inhibitors," Nature, 374:569-571 (1995).	
		DAMMER et al., "Specific antigen/antibody interactions measured by force microscopy," Biophysical Journal, 70:2437-2441 (1996).	
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Application Number	10/656,369
Filing Date	08 September 2003
First Named Inventor	Vitalii Silin
Art Unit	1641
Examiner Name	Nelson Yang
Attorney Docket Number	

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		HOCHULI et al., "Genetic approach to facilitate purification of recombinant proteins with a novel metal chelate adsorbent," Biotechnology, 6:1321-1325 (1988).	
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m		WAGNER et al., "Covalent immobilization of native biomolecules onto Au(111) via N-hydroxysuccinimide ester functionalized self-assembled monolayers for scanning probe microscop	

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NY		WEINER et al., "Site-directed mutagenesis of double-stranded DNA by the polymerase chain reaction," Gene, 151:119-123 (1994).	
NY		WONDRAK et al., "Influence of flanking sequences on the dimer stability of human immunodeficiency virus type 1 protease," Biochemistry, 35:12957-12962 (1996). Wu et al., "Str	

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